



INSTITUTE  
FOR RESEARCH  
IN BIOMEDICINE

## OPEN SHORT-TERM POSITION AT IRB BARCELONA RESEARCH OFFICER in ADVANCED DIGITAL MICROSCOPY (ref. CF/11/01)

The Institute for Research in Biomedicine (IRB Barcelona) is an independent, non-profit research institution engaged in basic and applied biomedical science. It is located in the Barcelona Science Park (Parc Científic de Barcelona, PCB), a centre in which first-class public research converges with the private sector in a stimulating, vanguard scientific environment. IRB Barcelona was founded in October 2005 by the Government of Catalonia (Generalitat de Catalunya), the University of Barcelona (UB) and the Barcelona Science Park and is administrated through a private foundation. The Institute currently has 470 members (scientific, technical and administrative staff) and plans to grow significantly in the coming years.

The Advanced Digital Microscopy Core facility, inaugurated in 2009, currently provides expertise, assistance and full time access to conventional transmission and epifluorescence microscopes (6 units), motorized fluorescence Macroscopy (1 unit), Spectral Confocal microscopy (3 units), including FRAP, FRET, Photoactivation and Multiphoton microscopy, Spinning disk confocal Microscopy (1 unit), 'High Content Screening' Automated Microscopy (1 unit widefield) and TIRF microscopy, Laser Nanosurgery of living cells and organisms combined with FRAP (1 unit, widefield), and Image Processing workstations (2 units). Besides, ADM is also involved in developing research instrumentation and currently implements light-sheet based fluorescence microscopy (SPIM).

The Advanced Digital Microscopy Core Facility is seeking a Research Officer for a 6-months period to cover the position of one staff member on maternity leave. The successful candidate will get the opportunity to gain experience in Optical Microscopy and to work on a broad range of applications:

- Training new users in the use of available equipment and providing support for current users, including transmission and epifluorescence microscopy, confocal microscopy and High-Content Screening.
- Provide support with existing software packages for image analysis and run data analysis including 3D, 4D, 5D processing.
- Help ADM in operating maintenance of the equipment.

## **CANDIDATE PROFILE**

The successful candidate:

- Should hold a PhD degree, or justify an equivalent experience (MSc + working experience), in an area of life sciences, physics, mathematics or computer science.
- The candidate should demonstrate a strong interest in participating to the teamwork of a research facility and some interest in complex technical equipment.
- Experience in optical microscopy or image processing will be desirable, experience with biological samples handling would be a plus.
- Flexible and dynamic person, with good organizational and communication skills and highly motivated to work in a research environment.
- Fluency in English is required.

The job is open for a non renewable 6-months period from January 2<sup>nd</sup>, 2011, until July 1<sup>st</sup>, 2012.

## **HOW TO APPLY**

Please, send a letter describing your interest in the position, a complete CV and contact information of two referees in English by email to: [irbjobs@irbbarcelona.org](mailto:irbjobs@irbbarcelona.org)

Please quote reference CF/11/01